

## RAW SEQUENCE LISTING

DATE: 03/21/2002

PATENT APPLICATION: US/09/981,528

TIME: 10:31:45

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\03212002\I981528.raw

```

64 aag aag cga agg ttg gat gag tgt gaa gaa gcc ttc caa gga acc aag 462
65 Lys Lys Arg Arg Leu Asp Glu Cys Glu Glu Ala Phe Gln Gly Thr Lys
66 85 90 95 100
68 gtg ttt gtg atg ccc aat ggg atg ctg aaa agc aac cag cag ctg gtg 510
69 Val Phe Val Met Pro Asn Gly Met Leu Lys Ser Asn Gln Gln Leu Val
70 105 110 115
72 gac att att gag aaa gtg aaa cct gag atc cgg ctg ttg att gag aaa 558
73 Asp Ile Ile Glu Lys Val Lys Pro Glu Ile Arg Leu Leu Ile Glu Lys
74 120 125 130
76 tgt aac acg cct tca ggc aaa ggt cct cat ata tgt ttt gac ctc cag 606
77 Cys Asn Thr Pro Ser Gly Lys Gly Pro His Ile Cys Phe Asp Leu Gln
78 135 140 145
80 gtc aaa atg tgg gta cag ctc ctg att ccc agg ata gaa gat gga aac 654
81 Val Lys Met Trp Val Gln Leu Leu Ile Pro Arg Ile Glu Asp Gly Asn
82 150 155 160
84 aac ttt ggg gtg tcc att cag gag gaa aca gtt gca gag cta aga act 702
85 Asn Phe Gly Val Ser Ile Gln Glu Glu Thr Val Ala Glu Leu Arg Thr
86 165 170 175 180
88 gtt gag agt gaa gct gca tct tat ctg gac cag att tct aga tat tat 750
89 Val Glu Ser Glu Ala Ala Ser Tyr Leu Asp Gln Ile Ser Arg Tyr Tyr
90 185 190 195
92 att aca aga gcc aaa ttg gtt tct aaa ata gct aaa tat ccc cat gtg 798
93 Ile Thr Arg Ala Lys Leu Val Ser Lys Ile Ala Lys Tyr Pro His Val
94 200 205 210
96 gag gac tat cgc cgc acc gtg aca gag att gat gag aaa gaa tat atc 846
97 Glu Asp Tyr Arg Arg Thr Val Thr Glu Ile Asp Glu Lys Glu Tyr Ile
98 215 220 225
100 agc ctt cgg ctc atc ata tca gag ctg agg aat caa tat gtc act cta 894
101 Ser Leu Arg Leu Ile Ile Ser Glu Leu Arg Asn Gln Tyr Val Thr Leu
102 230 235 240
104 cat gac atg atc ctg aaa aat atc gag aag atc aaa cgg ccc cgg agc 942
105 His Asp Met Ile Leu Lys Asn Ile Glu Lys Ile Lys Arg Pro Arg Ser
106 245 250 255 260
108 agc aat gca gag act ctg tac tga ggccagggcc agggccaggg gactctgtga 996
109 Ser Asn Ala Glu Thr Leu Tyr
110 265
112 gtctggctca agaccgacat tgccttggtt tgttacatga ctatcgtgat ggggaaactg 1056
114 gctggaaata gtaatcacac ctctctgttt ttagttagag tctaatagaaa ctctcatcta 1116
116 gttctgtgat gtgtttacct cttttttcag gcttcaggaa ctcttctatt tctttcccta 1176
118 ataccccaca cccaacctgt cgtaatttct ggagaactcc aggtttgtgt gtgcaggatg 1236
120 ttggcacaaa aatacctgtg ttttcattct cccctctct cctcctgtg tctggcgctt 1296
122 tatgttttct tccgtttgat aattagtttg ttaaaagctg agggaaccgg aaggaaagtg 1356
124 ctagggtgtt tttaggaact aggggtggagg ggggacgaac ttctcttct ccatgaggt 1416
126 tactgtttct ttcctctgtg gggcattgga tctcccaca gttgccctgg tgatgactta 1476
128 ggacttccca tctgtgacat cccactttga atcttgatcg tgacaagaaa taccttaggc 1536
130 cttcagtcga ttccgaagct ccttcagttg tttttataat gggcgtttca catgcacata 1596
132 tgtgtatgca tqtatacgcc catacacaca tgcacacaca gactctact ccattagcta 1656
134 acataccctc cctctccaca acccgtgtca cataccttcc aggaagtgac agttgtctta 1716
136 gttgtcatct acccagacaa acgtcctggg cccgtcctcc ctctgatac tgtagectct 1776

```

## RAW SEQUENCE LISTING

DATE: 03/21/2002

PATENT APPLICATION: US/09/981,528

TIME: 10:31:45

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\03212002\I981528.raw

```

138 tggtagccag ggtgaattgg tggagaacag agagatgaga agcagagggc ttggggaaaag 1836
140 cctgttcttc tctgactcag ccctttttgg cattattgca agagcttgac tcctgggttgc 1896
142 cttttccacag ccagttttca gttggggtga aggtttctgc aaqtgtgagg tccaqatgct 1956
144 gctgctcatg ttgggctttc cttttgggaa ctatttctct ttatttataq tqtccgggctt 2016
146 ccggggaaaag caatcattgg tgtgtatgtg tatgtgccat gcacacacgt gcataataac 2076
148 acattttgtg atgtggaaat gtgctgggca agtcaaaact atagaagagt tgccctcctgt 2136
150 ctctegaatc ttcagagat atcaactaat tgtaaacagc ttttgtgtta atccccctca 2196
W--> 152 tcccctagca cttttattct accacggctg gagagttgan anctacagtc agcctgccag 2256
154 tgactcttag tgtctgtttc tgactttatt ttcctgtctc tgtcttccaa cccccaataa 2316
156 tatttccacag cggggatgca tcattttttac tcccaatatt ctgtagagag ggagtcagga 2376
158 tgtgtctctc ccacgaatag tactcagtaa caaaccaatt gcattttagt tgggcagtgc 2436
160 tcccaccacac cctgcagatc cctccagcta aaacctctcc ccttccctc catgtgtttc 2496
162 tcagtttccc gtctgtttgt tggactgttc cactgccctt cctcctcacc ctatcaccca 2556
164 tggatcgtaa tgtaaaattc ttttaccatg tcaagaaatt attaaaaata caggtaacttt 2616
166 gacctctttc taaagccgca gacctggtg caatgctctg gtggtaggg atgtactcat 2676
168 gctcatatgt gtgcacgctt ggacacccac ctccatggac acctagccac cctgttgtgt 2736
W--> 170 gnccttatgc cagttgagct gaatcttttc ccagtatag tggaaagact gaggtctctg 2796
172 cctactgagc aaggttgggt gcttcatttg tgttcagtct gaattatggg aaagttagct 2856
174 cttcccagac ctaagctgcc ttctctccct actttcag 2894
177 <210> SEQ ID NO: 2
178 <211> LENGTH: 267
179 <212> TYPE: PRT
180 <213> ORGANISM: Homo sapiens
182 <400> SEQUENCE: 2
183 Met Ala Ser Leu Leu Lys Val Asp Gln Glu Val Lys Leu Lys Val Asp
184 1 5 10 15
185 Ser Phe Arg Glu Arg Ile Thr Ser Lys Ala Glu Asp Leu Val Ala Asn
186 20 25 30
187 Phe Phe Pro Lys Lys Leu Leu Glu Leu Asp Ser Phe Leu Lys Glu Pro
188 35 40 45
189 Ile Leu Asn Ile His Asp Leu Thr Gln Ile His Ser Asp Met Asn Leu
190 50 55 60
191 Pro Val Pro Asp Pro Ile Leu Leu Thr Asn Ser His Asp Gly Leu Asp
192 65 70 75 80
193 Gly Pro Thr Tyr Lys Lys Arg Arg Leu Asp Glu Cys Glu Glu Ala Phe
194 85 90 95
195 Gln Gly Thr Lys Val Phe Val Met Pro Asn Gly Met Leu Lys Ser Asn
196 100 105 110
197 Gln Gln Leu Val Asp Ile Ile Glu Lys Val Lys Pro Glu Ile Arg Leu
198 115 120 125
199 Leu Ile Glu Lys Cys Asn Thr Pro Ser Gly Lys Gly Pro His Ile Cys
200 130 135 140
201 Phe Asp Leu Gln Val Lys Met Trp Val Gln Leu Leu Ile Pro Arg Ile
202 145 150 155 160
203 Glu Asp Gly Asn Asn Phe Gly Val Ser Ile Gln Glu Glu Thr Val Ala
204 165 170 175
205 Glu Leu Arg Thr Val Glu Ser Glu Ala Ala Ser Tyr Leu Asp Gln Ile
206 180 185 190
207 Ser Arg Tyr Tyr Ile Thr Arg Ala Lys Leu Val Ser Lys Ile Ala Lys

```

## RAW SEQUENCE LISTING

DATE: 03/21/2002

PATENT APPLICATION: US/09/981,528

TIME: 10:31:45

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\03212002\I981528.raw

```
208          195          200          205
209 Tyr Pro His Val Glu Asp Tyr Arg Arg Thr Val Thr Glu Ile Asp Glu
210      210          215          220
211 Lys Glu Tyr Ile Ser Leu Arg Leu Ile Ile Ser Glu Leu Arg Asn Gln
212 225          230          235          240
213 Tyr Val Thr Leu His Asp Met Ile Leu Lys Asn Ile Glu Lys Ile Lys
214          245          250          255
215 Arg Pro Arg Ser Ser Asn Ala Glu Thr Leu Tyr
216          260          265
```

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/981,528

DATE: 03/21/2002

TIME: 10:31:46

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\03212002\I981528.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:31 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1



Creation date: 11-12-2003  
Indexing Officer: GMUNGAI - GATHONI MUNGAI  
Team: OIPEBackFileIndexing  
Dossier: 09981528

Legal Date: 09-29-2003

No.	Doccode	Number of pages
1	CTRS	5
2	892	1

Total number of pages: 6

Remarks:

Order of re-scan issued on .....